

Genset Model:

YXP180RSC

Enclosed set



Open set



| Frequency | Phases | Power Factor | Prime Output | Standby Output |
|-----------|--------|--------------|------------------|------------------|
| 50Hz | 3 | 0.8 | 180 kVA / 144 kW | 198 kVA / 158 kW |

Ratings

- Prime output: This rating is applicable for supplying continuous electrical power at variable load. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours.
- Standby output: This rating is applicable for supplying electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings.
- Standard reference conditions: 25°C, 100m A.S.L., 30% relative humidity

Design features

- High quality assembly, providing stiffness and low vibration
- Power coated steel. Corrosion and scratch resistant.
- Compact and long service life
- Wiring and connectors with double protection.
- Protection guards in radiator and high voltage parts.
- Full 12 month YorPower warranty

Design Standards

- CE marking
- ISO8528-1995
- GB/T2820-1997
- ISO 9001:2008 Registered Company

Configuration

- 4-Stroke water-cooled diesel engine.
- Industrial silencer.
- Coolant recovery tank
- Single bearing, 4 pole brushless alternator.
- Anti vibration mountings
- Integral fuel tank with fully banded base protection.
- Fuel level sensor
- Auto start control system with electronic digital control module DSE7420
- Output circuit breaker.
- Emergency stop button
- High engine temperature and low oil pressure shutdown system.
- 24V starter battery with leads and switch

Acoustic canopy features

- Water and dust proof design
- Door locks
- High quality sound absorbing and fire retardant inner material
- Lifting lugs
- Forklift holes in base

** The images above are for illustration purposes only.

Engine data

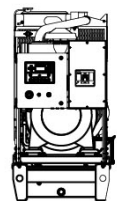
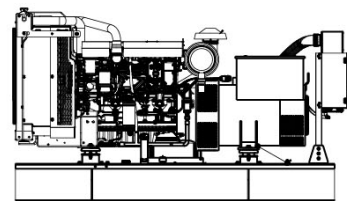
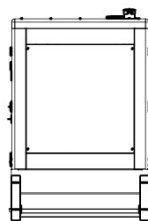
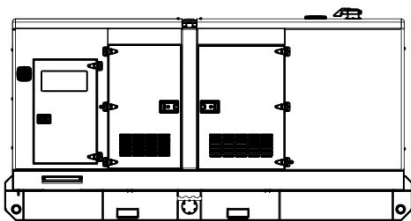
| | | | |
|---------------------|---------------------|--------------------------------|---------------------------|
| Engine brand | Perkins | Total coolant capacity | 21 Litres |
| Engine model | 1106A-70TAG3 | Total lube oil capacity | 16.5 Litres |
| Engine speed | 1500 RPM | Cooling air flow | 280.8 m ³ /min |
| Number of cylinders | 6 | Exhaust gas flow | 31 m ³ /min |
| Aspiration | Turbo & Aftercooled | Exhaust gas temperature | 499°C |
| Combustion system | Direct injection | Fuel cons. @ 110% standby load | 44 l/hr |
| Displacement | 7.01 Litres | Fuel cons. @ 100% Prime load | 40.2 l/hr |
| Governor type | Mechanical | Fuel cons. @ 75% Prime load | 31 l/hr |
| Cooling system | Water Cooled | Fuel cons. @ 50% Prime load | 20.5 l/hr |

Alternator data

| | | | |
|-----------------------|--------------|---------------------------|-------------------|
| Alternator brand | Leroy Somer | Number of wires | 12 re-connectable |
| Alternator model | LSA46.3S2 | AVR model | R 250 |
| Excitation | Self excited | Voltage regulation | ± 0.5% |
| Insulation class | H | Total Harmonic distortion | < 2% |
| Drip proof protection | IP23 | Telephone interference | TIF < 50% |
| Winding pitch | 2/3 (wdg 6) | Flanges and shield | Cast Iron |

Enclosed set data

Open set data



| L x W x H (mm) | Weight | Fuel tank | Noise@7M | L x W x H (mm) | Weight | Fuel tank | Noise@7M |
|--------------------|---------|------------|----------|-------------------|---------|------------|----------|
| 3468 x 1263 x 1843 | 2688 kg | 420 Litres | 70db | 2751 x 836 x 1575 | 1729 kg | 380 Litres | 115db |

** Due to constant innovation, design and specifications are subject to change without notice.